

To these Experiments may be added the tenth Experiment of the first Book, where the Sun's Light in a dark Room being trajected through the parallel superficies of two Prisms tied together in the form of a Parallelopide, became totally of one uniform yellow or red Colour, at its emerging out of the Prisms. Here, in the production of these Colours, the confine of shadow can have nothing to do. For the Light changes from white to yellow, orange and red successively, without any alteration of the confine of shadow: And at both edges of the emerging Light where the contrary confines of shadow ought to produce different effects, the Colour is one and the same, whether it be white, yellow, orange or red: And in the middle of the emerging Light, where there is no confine of shadow at all, the Colour is the very same as at the edges, the whole Light at its very first emergence being of one uniform Colour, whether white, yellow, orange or red, and going on thence perpetually without any change of Colour, such as the confine of shadow is vulgarly supposed to work in refracted Light after its emergence. Neither can these Colours arise from any new modifications of the Light by refractions, because they change successively from white to yellow, orange and red, while the refractions remain the same, and also because the refractions are made contrary ways by parallel superficies which destroy one another's effects. They arise not therefore from any modifications of Light made by refractions and shadows, but have some other cause. What that cause is we shewed above in this tenth Experiment, and need not here repeat it.

There

There is yet a Experiment. For Prism H I K refracted painting the usual green, blue, violet refractions of the would not be in the Prism. And yet when by turning the mon Axis all the red; the Light would appeared of the vidence on the third other Experiment refractions are one sort of them is Light which they refraction or reflex Colours nothing e by refractions, and changeableness of following Proposition

P R O

*All homogeneal Light its degree of refraction changed by reflection*

In the Experiment Book, when I have from one another,